

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings of claims in the application.

Listings of Claims:

1. (Currently amended) A diversity antenna for a wireless local area network, comprising:
a circularly-polarized antenna; and
a linearly-polarized antenna,
wherein both antennas are connected to a diversity receiving circuit and one of the antennas is rotatably supported, and the other antenna is fixedly positioned in relation to a predetermined plane.
2. (Currently Amended) The diversity antenna according to claim 1, wherein the circularly-polarized antenna is an antenna that intensively radiates circularly-polarized radio waves toward a specific direction and the linearly-polarized antenna is an omni-directional antenna with respect to a-the predetermined plane, and the rotatably-supported antenna is the circularly-polarized antenna.
3. (Original) The diversity antenna according to claim 2, wherein the circularly-polarized antenna is a patch antenna and the linearly-polarized antenna is a dipole antenna or a monopole antenna.
4. (Original)The diversity antenna according to claim 1, wherein a polarization diversity is achieved by arranging the circularly-polarized and the linearly-polarized antennas in different positions.
5. (Original) The diversity antenna according to claim 3, wherein a shape of the patch electrode of the patch antenna is a square, a circle, or any other appropriate geometric shape.

6. (Currently Amended) A diversity antenna for a wireless local area network, comprising:
a high-gain antenna; and
a linearly-polarized antenna,
wherein both antennas are connected to a diversity receiving circuit and one of the antennas is rotatably supported and the other antenna is fixedly positioned in relation to a predetermined plane.

7. (Original) The diversity antenna according to claim 6, wherein the rotatably-supported antenna is the high-gain antenna.